

Agenda for the 2018 EGU ILRS ASC Meeting

Thursday, April 12, TU Wien, Vienna, Austria, 9:00 – 15:00

Operational Products: Status Reports & Future Plans

All ACs & CCs with VERY brief reports on key issues only!

- AC Reports (including one from the new IAA LLR AC)
- CC Reports
- ACs must report on the status of:
 - *Adopting of the revised analysis procedures and modeling standards (per ITRF2014 reanalysis, secular pole, T2L2 T_{BS} , etc.) for the re-analysis products*
 - *Results from testing various High Frequency EOP models under the IERS Pilot Project*
- Re-analysis (weekly series) with ITRF2014 (i.e. the updated SLRF2014 version) plan:
 - CoM model update status: what is available? when do we expect the final version?
 - SINEX products requirements for submission to the next ITRF development effort
 - *We need to adopt the format for inclusion of the applied systematics model*
 - Presentation by Randy Ricklefs (or proxy) on upcoming CPF and CRD Formats' update process
 - Look out for a package of material related to this topic, to be emailed to you prior to our ASC meeting. Please review these so that you become familiar with the

- changes planned for the next several months;
- ASC will be mostly affected by CRD format changes;
- We will need to go through a test-period “learning” how to ingest the new format in our processing chain;
- Followed by a brief validation of each AC’s products based on the new CRD files

Station Systematic Error Monitoring Project—The Operational Phase

- Comments on the combination results of the currently available series
- Reports of delinquent ACs on their status and ability to deliver operational products
- Results from the so-far submitted series and the schedule for operational product delivery:
 - We need to identify stations with very brief occupations (e.g. MEDLAS campaign sites, etc.) and decide if they are worth including in our products (ITRF submission) that relies on the long-term participating stations (need to check if ITRS even uses these sites in their model);
 - An “operational” delivery schedule should be discussed since we only need to deliver ONCE per week the analyzed weekly arc with the freely adjusted systematics;
 - It would seem reasonable to delay the delivery of this product for several days so that we have the most stable and comprehensive SLR NP data set, and the best EOP possible.
 - Discussion of the systematic error signal processing, the averaging process, the identification of “events”, their validation, the testing of their significance, the selection for forward modeling in the next re-analysis and the operational products once this model is adopted.
- Ideally, we want this service to come online by June 1, 2018 (**we need a ~2-month dry-run!!!**)
- Implementing timing errors by means of T2L2 tracking on Jason-2 in our Data Handling File beyond 2016

Planning the next Pilot Project and launch date:

- a. Estimation of low-degree SH of the gravity field*
- b. Inclusion of LARES as a 5th satellite in our operational product development*
- c. Revisit NT Atm. Loading & Gravity implementation as an internal PP (eventually to be used operationally for new series—NOT for ITRF use)*
- d. Discussion of a plan for the expansion of the targets used in operational products, with the intent to produce higher quality EOP in a shorter timeframe (e.g. the day after the data were collected)*
- ***The Journal of Geodesy Special Issue on Laser Ranging—JOGSILR (Status Update, submissions/review progress, etc.)***

Other topics, next meeting...

– **Next ASC meeting at ????: @COSPAR/REFAG or 21st IWLR/Canberra**

○ **TENTATIVE DATE: ???, 9:00 – 17:00**

Last meeting action items:

✓ = **DONE**

1. UPDATE ASC pages on ILRS recently launched website (send comments/suggestions to ECP)
14. JCET, DGFI, HITU and SAO to discuss the procedure for quick coordinate updates for QC process
- 16. ACs must send their updated description files for their operational products to Carey Noll**

CL – Cinzia Luceri
MP – Mauro Pirri
DT – Daniela Thaller
DK – Daniel König
MB – Mathis Blossfeld
FD – Florent Deleflie
RK – Rolf König
MV – Margarita Vei
ECP – E. C. Pavlis
GA – Graham Appleby
JR – Jose Rodriguez
ZA – Zuheir Altamimi